



UNIVERSITÄT
ZU KÖLN

SPRACHVERARBEITUNG: ÜBUNG

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01

EXERCISE 01 AND 02



Exercise 01 Debriefing

- Dictionary Comprehension

```
d = {key: value for key, value in zip(["apple", "banana"], ["red", "yellow"])}  
# This is equivalent to  
d = {}  
for key, value in zip(["apple", "banana"], ["red", "yellow"]):  
    d[key] = value
```

- `"strawberry".endswith("berry"), "strawberry".startswith("straw")` returns truth value
- `"something".__equals__("something")` is equivalent to `"something"=="something"`
 - Python's `"something"=="something"` is equivalent to Java's `"something".equals("something")`
- `"something else".__contains__("something")` is equivalent to `"something" in "something else"`
- `for item, value in dict.items():` iterates over all pairs of keys and values of dictionary
- `dict.keys()` returns a list with all keys of dictionary, `dict.values()` returns list with all values of dictionary
- Notebook didn't show output after new code was added? → because no `print()` statement was used, Jupyter Notebook always prints out last statement, but this is a peculiarity of Jupyter Notebook and will not necessarily work in other settings

Solution Exercise 2

- <https://lehre.idh.uni-koeln.de/site/assets/files/5151/solution02.pdf>
- <https://lehre.idh.uni-koeln.de/site/assets/files/5151/solution02.ipynb>

02

REMINDER OF LECTURE

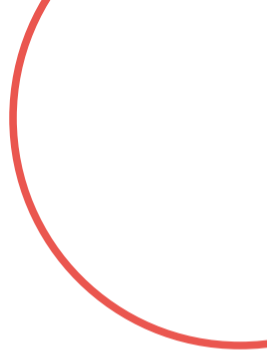


Relevant topics for today

- Absolute and relative counts
- Zipf distribution
- Type-Token-Ratio

03

EXERCISE 03





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